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CUSTOM RATES SURVEY

FERTILIZER AND HERBICIDE APPLICATIONS AND GRAIN SEEDING

1987

Alberta
AGRICULTURE
STATISTICS BRANCH
427 4011

88-05654/

PREFACE

The Custom Rate Survey is conducted for Alberta Agriculture as a cooperative effort involving the Department Statistics Branch, Farm Business Management Branch and Unifarm.

The data presented in this report was obtained by contacting custom operators and dealers and thus represent actual charges. Please note that some instances may be GNR (Good Neighbor Rates) as opposed to CR (Commercial Rates). The reader should be aware that varying conditions in different areas of the province can significantly affect the rates charged.

The intent of the survey is to provide producers with additional information to help with their farm management decisions. The quality of data is dependent on the cooperation received by producers as well as commercial custom operators. We would like to thank all those who were so willing in helping to provide information. If you are involved in any custom operations and have not been contacted but wish to contribute please call the following numbers or contact your local District Agriculturist.

Alberta Agriculture
Statistics Branch
Edmonton, Alberta
403-427-4011

Alberta Agriculture
Farm Business Management Branch
Olds, Alberta
403-556-8421

I.D. 24
I.D. 23
I.D. 18
6
I.D. 17
I.D. 16
4
5
I.D. 14
3
2
1
LEGEND
Regional Offices
Region 1 - Lethbridge
2 - Airdrie
3 - Red Deer
4 - Vermilion
5 - Barrhead
6 - Fairview
Edmonton
Calgary

LEGEND

OPERATIONS

CS - Crop Seeding
FA - Fertilizer Application
HA - Herbicide Application

PRODUCT FORM

A - Anhydrous Ammonia
G - Granular
L - Liquid

APPLICATOR

PT - Pull Type
TM - Truck Mount
FL - Floater
AS - Air Seeder
FW - Fixed Wing

NOTES

CULT - Cultivator
HERB - Herbicides
FERT - Fertilizer

FERTILIZER APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD14	FA	G	FW PIPER PAWNEE		5.00	
1	MD26	FA	G	PT WILLMAR		2.00	
1	MD26	FA	G	FL LOREL		3.00	
1	MD26	FA	G	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	L	PT DRIBBLER	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	G	FL LOREL		3.25	W/AVADEX
1	MD6	FA	A	CULT W/COLD FLOW KIT		5.50	
1	MD6	FA	G	PT WILLMAR		2.00	
1	MD6	FA	A	PT MCGREGGOR	$1.40/AC		+$25/TONNE DELIVERY
1	MD6	FA	L	PT BANDWAGON	$0.75/AC		+$10/TONNE DELIVERY
1	MD9	FA	G	PT WILLMAR	$40/DAY		WITH PURCHASE OF PRODUCT
1	2	FA	G	AS CONCORD		4.00	
1	2	FA	G	PT WILLMAR	$1.50/AC		WITH PURCHASE OF PRODUCT
1	4	FA	L	FW THRUSH COMMANDER		3.50	LESS THAN 100KG/AC
1	4	FA	L	FW THRUSH COMMANDER		4.00	MORE THAN 100KG/AC
1	4	FA	L	FW THRUSH COMMANDER		4.50	5 GALLONS WATER
1	4	FA	L	FW THRUSH COMMANDER		3.75	3 GALLONS WATER
1	4	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
1	4	FA	G	PT SIMONSON	$4/TONNE		WITH PURCHASE OF PRODUCT
1	4	FA	G	AS CONCORD		7.00	
1	4	FA	G	FL SIMONSON		2.75	
1	4	FA	G	PT WILLMAR	$4/TONNE		WITH PURCHASE OF PRODUCT
1	4	FA	L	FL TERRIGATOR		3.75	
1	4	FA	G	AS CONCORD	$3.50/AC		
1	4	FA	G	FL LECTRIC FUEL		3.00	
1	4	FA	L	FW THRUSH COMMANDER		3.00	1 GALLON WATER
1	5	FA	G	FL LOREL		2.50	
1	5	FA	L	PT BANDWAGON	$0.50/AC		WITH PURCHASE OF PRODUCT
1	5	FA	A	PT BANDICATOR	$1.50/AC		WITH PURCHASE OF PRODUCT
1	8	FA	L	FW PIPER PAWNEE		5.40	5 GALLONS WATER
1	8	FA	A	PT MCGREGGOR	$3.75/AC		INCLUDES DELIVERY
1	8	FA	G	FL FIELD JIMMY		3.50	W/AVADEX
1	8	FA	L	FW PIPER PAWNEE		3.85	2 GALLONS WATER
1	8	FA	L	FW PIPER PAWNEE		3.35	1 GALLON WATER
1	26	FA	G	PT WILLMAR	$20/DAY		WITH PURCHASE OF PRODUCT
1	26	FA	G	FL WILLMAR		3.00	
1	26	FA	A	PT MCGREGGOR	$50/TONNE		UP TO 70LBS. OF N
1	26	FA	A	PT MCGREGGOR	$40/TONNE		71 - 99LBS. OF N
1	26	FA	A	PT MCGREGGOR	$30/TONNE		100+LBS. OF N
1	26	FA	G	FL WILLMAR		3.50	
1	26	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
1	26	FA	G	PT WILLMAR	$1/AC		MAXIMUM $75/DAY

FERTILIZER APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	26	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	FL WILLMAR		3.00	
1	26	FA	G	FL WILLMAR		3.00	W/AVADEX
2	CALGARY	FA	G	PT WILLMAR	$1/AC		MAXIMUM $125/DAY
2	CALGARY	FA	L	CHISEL PLOW		7.50	DEEP BANDING
2	CALGARY	FA	A	PT MCGREGGOR	$65/TONNE		PLUS DELIVERY
2	CALGARY	FA	G	FL WILLMAR		4.00	
2	ID7	FA	G	FW GRUMMAN AG-CAT		3.50	
2	ID7	FA	L	FW GRUMMAN AG-CAT		3.00	1 GALLON WATER
2	ID7	FA	G	FW GRUMMAN AG-CAT		8.00	200+LBS./AC
2	ID7	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	ID7	FA	G	PT WILLMAR	$0.65/AC		WITH PURCHASE OF PRODUCT
2	ID7	FA	G	FL TERRIGATOR		3.00	
2	ID7	FA	G	FW GRUMMAN AG-CAT		3.50	LESS THAN 25LBS./AC
2	MD31	FA	G	FL LOREL		3.25	W/AVADEX
2	MD31	FA	G	FL LOREL		3.00	
2	MD31	FA	G	AS MORRIS 41		6.50	DEEP BANDING
2	MD31	FA	G	AS JOHN DEERE		6.25	
2	MD44	FA	L	FL TYLER ON 3 WHEELS		2.75	
2	MD44	FA	G	FL LOREL		3.00	W/AVADEX
2	MD44	FA	L	PT BANDWAGON	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	A	PT MCGREGGOR	$80/TONNE		INCLUDES DELIVERY
2	MD44	FA	G	FL LOREL		3.00	
2	MD44	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	G,A	AG WEST DOUBLE SHOOTER	$3.75/AC		
2	MD44	FA	G	FL TYLER		3.25	W/AVADEX
2	MD44	FA	G	PT SIMONSON	$0.75/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	L	FL TYLER ON 3 WHEELS		3.25	W/AVADEX
2	MD44	FA	G	FL TYLER		2.75	
2	MD44	FA	G	FL LOREL		3.50	W/AVADEX
2	MD44	FA	G	AS		3.50	
2	MD48	FA	G	AS FRIGSTAD		7.00	DEEP BANDING
2	MD48	FA	A	PT WAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
2	MD48	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD48	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
2	SA3	FA	L	FL TERRIGATOR		2.00	STRIP BANDING
2	SA3	FA	G	FW CESSNA 188		3.00	10LBS./AC
2	SA3	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
2	SA3	FA	G	FW CESSNA 188		3.00	30LBS./AC
2	16	FA	G	AS JOHN DEERE		6.50	DEEP BANDING
2	16	FA	G	FL WILLMAR		3.75	
2	16	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT

FERTILIZER APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	16	FA	G	PT BANDICATOR	$3/AC		WITH PURCHASE OF PRODUCT
2	16	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	16	FA	G	PT MOBILITY	$8/TONNE		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT SIMONSON	$5/TONNE		WITH PURCHASE OF PRODUCT
2	17	FA	G	TM WILLMAR		2.50	
2	17	FA	G	PT WILLMAR	$10/TONNE		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT WILLMAR	$50/DAY		WITH PURCHASE OF PRODUCT
2	17	FA	A	PT COOP	$38/TONNE		APPLICATOR & TANK; DELIVERY EXTRA
2	17	FA	G	FL LOREL		3.50	
2	17	FA	G	PT WILLMAR	$0.65/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	TM TYLER AIRFLOW		3.00	
2	17	FA	L	FL TERRIGATOR		2.80	
2	17	FA	G	PT WILLMAR	$4/TONNE		WITH PURCHASE OF PRODUCT
2	17	FA	G	FL TERRIGATOR		2.80	
2	17	FA	A	PT BEN HUNT	$45/TONNE		WITH PURCHASE OF PRODUCT
3	MD99	FA	G	PT WILLMAR	$8/TONNE		WITH PURCHASE OF PRODUCT
3	MD99	FA	G	PT WILLMAR	$7/TONNE		WITH PURCHASE OF PRODUCT
3	MD99	FA	G	TM WILLMAR		2.75	
3	3	FA	G	PT WILLMAR	$35/DAY		WITH PURCHASE OF PRODUCT
3	3	FA	G	TM BARBER		2.50	
3	3	FA	G	PT TYLER BANDWAGON		2.00	
3	6	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
3	6	FA	G	FL LOREL		3.25	
3	14	FA	G	TM BARBER		3.00	
3	14	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
3	14	FA	A	PT WW	$32/TONNE		APPLICATOR AND WAGON
3	14	FA	G	AS CONCORD 40'		7.50	DEEP BANDING STUBBLE
3	14	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	14	FA	G	AS CONCORD 40'		6.50	DEEP BANDING HAYLAND
3	14	FA	G	PT WILLMAR	$7/TONNE		WITH PURCHASE OF PRODUCT
3	14	FA	G	TM BARBER		3.00	
3	14	FA	G	TM BARBER		3.25	W/AVADEX
3	22	FA	G	PT WILLMAR	$40/DAY		WITH PURCHASE OF PRODUCT
3	22	FA	G	PT TYLER	$6/TONNE		WITH PURCHASE OF PRODUCT
3	22	FA	G	TM WILLMAR		2.75	
3	23	FA	A	CHISEL PLOW/COLD FLOW KIT		6.50	
3	23	FA	G	TM BARBER		3.25	
3	23	FA	G	FL WILLMAR		2.50	
3	23	FA	G	FL LOREL		2.75	
3	23	FA	G	PT MOBILITY	$25/DAY		WITH PURCHASE OF PRODUCT
3	23	FA	G	PT MOBILITY	$0.75/AC		WITH PURCHASE OF PRODUCT
3	23	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	23	FA	G	TM TYLER		1.50	HAY & PASTURE

FERTILIZER APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	23	FA	G	TN TYLER		2.50	CROPLAND
3	23	FA	G	PT TYLER	$30/DAY		WITH PURCHASE OF PRODUCT
3	23	FA	G	AS CONCORD		8.00	DEEP BANDING
3	23	FA	A	PT JOHN BLUE	$50/TONNE		WITH PURCHASE OF PRODUCT; DELIVERY INC.
3	23	FA	G	PT WILLMAR	$1.25/AC		
3	29	FA	G	AS PRASCO		5.00	DEEP BANDING
3	29	FA	G	AS PRASCO		5.25	DEEP BANDING
3	29	FA	G	PT TYLER	$5/TONNE		WITH PURCHASE OF PRODUCT
3	29	FA	A	PT MCGREGGOR	$30/TONNE		INCLUDES DELIVERY
3	29	FA	G	CHISEL PLOW 52'		5.00	DEEP BANDING
3	29	FA	G	AS PRASCO		4.50	DEEP BANDING
3	29	FA	G	FW AYRES TURBO THRUSH		4.00	100LBS/AC
4	MD52	FA	G	PT MOBILITY	$1/AC		WITH PURCHASE OF PRODUCT
4	MD52	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
4	MD61	FA	L	FL TERRIGATOR		3.30	
4	9	FA	G	PT MOBILITY	$9.75/TONNE		WITH PURCHASE OF PRODUCT
4	9	FA	G	AS JOHN DEERE		5.00	BROAD BANDING
4	19	FA	G	AS JOHN DEERE		7.00	DEEP BANDING
4	19	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
4	19	FA	G	FL WILLMAR		3.00	
4	24	FA	G	PT MOBILITY	$0.50/AC		WITH PURCHASE OF PRODUCT
4	24	FA	G	PT WILLMAR	$75/DAY		WITH PURCHASE OF PRODUCT
4	24	FA	A	PT JOHNSON-WELLS	$19/TONNE		APPLICATOR & TANK
4	24	FA	G	AS VALMAR ON CULT	$3/AC		FOR DEEP BANDING
4	24	FA	G	FL TERRIGATOR		3.50	
4	24	FA	L	PT BANDWAGON	$1/AC		
4	24	FA	G	FL WILLMAR		3.00	
4	24	FA	G	PT WILLMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
4	24	FA	G	AS TYLER ZODIAC	$1.50/AC		WITH PURCHASE OF PRODUCT
4	24	FA	G	AS VALMAR ON CULT	$4/AC		W/AVADEX APPLICATOR
4	24	FA	L	FL INC		3.00	10 GALLONS WATER
4	24	FA	L	FL BIG A		3.40	
4	24	FA	G	FW GRUMMAN AG-CAT		3.60	100LBS/AC
4	27	FA	G	AS VIBRASHANK 39'		6.50	DEEP BANDING
4	30	FA	G	PT TYLER BANDWAGON	$2/AC		WITH PURCHASE OF PRODUCT
4	30	FA	G	PT TYLER	$6/TONNE		WITH PURCHASE OF PRODUCT
4	30	FA	G	PT TYLER BANDWAGON	$3/AC		WITH CULTIVATOR
4	30	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
4	30	FA	G	PT TYLER BANDWAGON	$2/AC		WITH PURCHASE OF PRODUCT
4	30	FA	G	PT SIMONSON		2.75	
5	MD90	FA	G,A	VALMARS ON CULT W/NH3 KIT	$2.25/AC		FOR INCORPORATION W/AVADEX

FERTILIZER APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
5	MD90	FA	G,A	AS & VALMAR W/NH3 KIT		7.50	DUAL BANDING
5	MD90	FA	G,A	AS & VALMAR W/NH3 KIT		8.50	DUAL BANDING W/AVADEX
5	MD90	FA	G	FL WILLMAR		2.75	
5	MD90	FA	G	PT WILLMAR	$5.50/TONNE		WITH PURCHASE OF PRODUCT
5	MD90	FA	L	FL TERRIGATOR		2.75	
5	MD90	FA	G,A	PT BANDICATOR	$2.50/AC		FOR DUAL BANDING
5	MD90	FA	G	FL WILLMAR		2.50	
5	MD90	FA	A	PT COLD FLOW KIT	$10/TONNE		WITH PURCHASE OF PRODUCT
5	MD90	FA	G	PT WILLMAR	$5/TONNE		WITH PURCHASE OF PRODUCT
5	MD92	FA	A	PT MCGREGOR	$80/TONNE		APPLICATOR, TANK & DELIVERY
5	MD92	FA	G,A	PT DUAL SHOOTER		3.75	
5	MD92	FA	G	FL WILLMAR		3.50	
5	MD92	FA	G	FL WILLMAR		2.00	
5	11	FA	G	PT WILLMAR	$4/TONNE		WITH PURCHASE OF PRODUCT
5	20	FA	G	PT TYLER BANDWAGON	$2/AC		WITH PURCHASE OF PRODUCT
5	20	FA	G	PT TYLER	$6/TONNE		WITH PURCHASE OF PRODUCT
5	20	FA	G	PT SIMONSON		2.75	
5	25	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	25	FA	G	FL SIMONSON		3.00	W/AVADEX
5	25	FA	G	PT WILLMAR	$45/DAY		WITH PURCHASE OF PRODUCT
5	31	FA	G	PT WILLMAR	$10/TONNE		WITH PURCHASE OF PRODUCT
5	31	FA	G	FL BIG A		3.00	
6	ID17	FA	G	FL WILLMAR		3.00	
6	ID21	FA	L	FL TERRIGATOR		3.00	
6	MD130	FA	A	PT MCGREGGOR	$40/TONNE		TANK & APPLICATOR
6	MD130	FA	G	FL WILLMAR		3.00	W/AVADEX
6	MD130	FA	G	PT TYLER	$35/DAY		WITH PURCHASE OF PRODUCT
6	MD133	FA	G	PT WILLMAR	$75/DAY		WITH PURCHASE OF PRODUCT
6	MD136	FA	G	PT MOBILITY	$1/AC		WITH PURCHASE OF PRODUCT
6	1	FA	A	PT MCGREGGOR	$80/TONNE		TANK, APPLICATOR & DELIVERY
6	1	FA	G	PT WILLMAR	$45/DAY		WITH PURCHASE OF PRODUCT
6	1	FA	G	PT WILLMAR	$40/DAY		WITH PURCHASE OF PRODUCT
6	1	FA	L	FL BIG A		3.50	
6	1	FA	G	AS JOHN DEERE		6.00	DEEP BANDING
6	1	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
6	1	FA	G	FL BIG A		3.00	
6	1	FA	G	AS FRIGSTAD		6.50	DEEP BANDING
6	1	FA	G	FL WILLMAR		3.00	
6	1	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT

HERBICIDE APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD14	HA	L	FW PIPER PAWNEE		3.80	3 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.50	2 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.75	3 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.40	2 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.00	1 GALLON WATER
1	MD14	HA	L	FW PIPER PAWNEE		2.75	1 GALLON WATER
1	MD14	HA	L	FW PIPER PAWNEE		4.00	4 GALLONS WATER
1	MD26	HA	L	FL TERRIGATOR		2.50	
1	MD26	HA	L	TM HARDY		2.00	
1	MD26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
1	MD6	HA	L	SP MELROSE SPRAY COUP		2.00	
1	MD6	HA	L	TM JOHN DEERE		2.00	
1	MD6	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	4	HA	L	FL TERRIGATOR		3.75	
1	4	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
1	8	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	CALGARY	HA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
2	CALGARY	HA	L	PT INLAND BOOM SPRAYER		2.50	
2	ID7	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	ID7	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
2	ID7	HA	L	FW GRUMMAN AG-CAT		3.00	1 GALLON WATER
2	ID7	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
2	ID7	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	MD31	HA	L	TM HARDY		2.50	
2	MD31	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
2	MD31	HA	L	FW GRUMMAN AG-CAT		3.00	1 GALLON WATER
2	MD31	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
2	MD31	HA	G	FW GRUMMAN AG-CAT		3.00	
2	MD44	HA	L	FL TYLER		2.75	
2	MD44	HA	L	PT BANDWAGON	$0.75/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	G	PT NODET	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	G	TM VALMAR		2.00	
2	MD48	HA	L	PT BANDWAGON	$2/AC		WITH PURCHASE OF PRODUCT
2	MD48	HA	G	PT VALMAR ON HARROW BAR		3.00	
2	MD48	HA	G	TM VALMAR		1.75	
2	MD48	HA	L	TM HARDY		3.00	
2	MD48	HA	L	PT GROUND SPRAYER 95'		2.50	
2	MD48	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	MD48	HA	L	FL TERRIGATOR		3.00	
2	MD48	HA	G	PT VALMAR ON HARROW BAR		4.00	W/PACKERS

HERBICIDE APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	SA3	HA	L	FW CESSNA 188		3.50	2 GALLONS WATER
2	SA3	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	SA3	HA	L	FW CESSNA 188		3.00	1 GALLON WATER
2	SA3	HA	L	FW CESSNA 188		4.00	3 GALLONS WATER
2	SA3	HA	L	FW CESSNA 188		5.00	5 GALLONS WATER
2	SA3	HA	L	FL TERRIGATOR		3.00	
2	16	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	16	HA	L	PT GOLDEN ARROW		3.00	
2	16	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	17	HA	L	TM HARDY		3.00	
2	17	HA	G	PT VALMAR ON HARROW BAR	$1.75/AC		WITH PURCHASE OF PRODUCT
2	17	HA	L	TM GEORGE WHITE		3.00	
2	17	HA	G	FL TERRIGATOR		2.80	
2	17	HA	L	FL TERRIGATOR		2.80	
3	3	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
3	6	HA	G	PT VALMAR	$0.80/AC		WITH PURCHASE OF PRODUCT
3	10	HA	L	PT GOLDEN ARROW		2.50	
3	14	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
3	14	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
3	18	HA	L	FW PIPER PAWNEE		3.00	1 GALLON WATER
3	18	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	22	HA	G	PT NODET	$40/DAY		WITH PURCHASE OF PRODUCT
3	23	HA	L	MELROSE SPRAY COUP		3.50	
3	23	HA	G	PT VALMAR ON HARROW BAR	$1.75/AC		
3	23	HA	G	PT VALMAR	$150/DAY		WITH PURCHASE OF PRODUCT
3	23	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	29	HA	L	FW PIPER PAWNEE		4.00	4 GALLONS WATER
3	29	HA	L	TM GREAT NORTHERN		2.75	
3	29	HA	L	FW AYRES TURBO THRUSH		3.10	1 GALLON WATER
3	29	HA	G	TM VALMAR		2.00	
3	29	HA	L	FW PIPER PAWNEE		3.00	2 GALLONS WATER
3	29	HA	L	FW AYRES TURBO THRUSH		3.60	2 GALLONS WATER
3	29	HA	L	FW AYRES TURBO THRUSH		4.10	3 GALLONS WATER
4	MD52	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
4	MD52	HA	L	SP SPRAY COUP		3.50	
4	9	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT

HERBICIDE APPLICATION 1987

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
4	24	HA	L	FW GRUMMAN AG-CAT		3.85	2 GALLONS WATER
4	24	HA	L	FL BIG A		3.40	
4	24	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
4	24	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
4	24	HA	L	FW GRUMMAN AG-CAT		3.35	1 GALLON WATER
4	24	HA	G	VALMAR ON CULT W/MH3 KIT	$3.45/AC		
4	24	HA	L	FW GRUMMAN AG-CAT		3.25	1 GALLON WATER
4	24	HA	L	FW GRUMMAN AG-CAT		3.75	3 GALLONS WATER
4	24	HA	G	AS VALMAR ON CULT	$2/AC		
4	24	HA	L	FW GRUMMAN AG-CAT		4.35	3 GALLONS WATER
4	27	HA	L	SP SPRAY COUP		2.50	
4	27	HA	L	PT GROUND SPRAYER		2.00	
4	30	HA	G	PT NODET	$0.70/AC		WITH PURCHASE OF PRODUCT
5	ID14	HA	L	PT SPRAYER		2.50	
5	MD90	HA	G	PT VALMAR	$0.60/AC		WITH PURCHASE OF PRODUCT
5	MD90	HA	G	PT NODET	$0.60/AC		WITH PURCHASE OF PRODUCT
5	MD90	HA	L	FL TERRIGATOR		2.75	
5	MD92	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	20	HA	G	PT NODET	$0.70/AC		WITH PURCHASE OF PRODUCT
5	25	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	25	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
5	31	HA	L	FW GRUMMAN AG-CAT		3.50	1 GALLON WATER
5	31	HA	L	FW GRUMMAN AG-CAT		4.00	2 GALLONS WATER
5	31	HA	L	FW GRUMMAN AG-CAT		4.50	3 GALLONS WATER
6	ID21	HA	L	FL TERRIGATOR		3.00	
6	ID22	HA	L	FW CESSNA AG-TRUCK		2.75	1 GALLON WATER
6	ID22	HA	L	FW CESSNA AG-TRUCK		3.25	2 GALLONS WATER
6	MD130	HA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
6	MD133	HA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
6	MD136	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
6	1	HA	G	PT VALMAR	$60/DAY		WITH PURCHASE OF PRODUCT
6	1	HA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
6	1	HA	G	PT NODET	$50/DAY		WITH PURCHASE OF PRODUCT
6	1	HA	L	PT HARDY		2.75	
6	1	HA	L	FL BIG A		3.75	

CROP SEEDING 1987

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD14	CS	FW PIPER PAWNEE		5.00	HAY OR GRASS
1	MD26	CS	FL LOREL		3.00	HAY, GRASS, OR RAPESEED
1	MD26	CS	PT HOE DRILL W/BANDWAGON		10.00	W/LIQUID FERTILIZER
1	MD26	CS	PT HOE DRILL		6.00	W/GRANULAR FERTILIZER
1	MD6	CS	PT HOE DRILL		6.50	W/FERTILIZER
1	MD9	CS	PT HOE DRILL		6.00	CEREALS
1	MD9	CS	PT HOE DRILL		7.00	CEREALS & GRASS
1	4	CS	PT HOE DRILL		6.50	
2	CALGARY	CS	PT DISC DRILL		6.25	
2	ID7	CS	FW PIPER PAWNEE		3.50	
2	ID7	CS	FW GRUMMAN AG-CAT		3.50	GRASS OR RAPESEED
2	MD31	CS	VERSATILE SEED DRILL		7.00	W/FERTILIZER
2	MD31	CS	AS JOHN DEERE		7.25	CEREALS W/FERTILIZER
2	MD31	CS	AS JOHN DEERE		6.25	CEREALS
2	MD31	CS	FL LOREL		3.00	HAY, GRASS OR RAPESEED
2	MD31	CS	PT HOE DRILL		8.00	CEREALS
2	MD31	CS	FW GRUMMAN AG-CAT		3.00	GRASS OR RAPESEED
2	MD31	CS	AS MORRIS 41'		6.50	
2	MD44	CS	FL LOREL		5.00	W/FERT; 2 PASSES
2	MD44	CS	FL LOREL		3.00	
2	MD44	CS	FL TYLER		3.25	GRASS SEED & FERTILIZER
2	MD44	CS	TM VALMAR		2.00	GRASS
2	MD44	CS	AS		3.50	
2	MD48	CS	AS FRIGSTAD		8.50	CEREALS
2	16	CS	AS JOHN DEERE		5.50	
2	16	CS	AS JOHN DEERE		10.00	CULT, SEED, HARROW & PACK; W/TRUCK
2	17	CS			2.00	
2	17	CS	2 DISK DRILLS		6.00	
2	17	CS	FL		$40/HR	GRASS; 2.5AC/HR; VERY ROUGH TERRAIN
2	17	CS	2 DISK DRILLS		6.50	W/FERTILIZER
3	3	CS	TM BARBER		2.50	
3	6	CS	FL LOREL		3.25	GRASS OR RAPESEED
3	10	CS	PRESS DRILL MELROW		5.00	CEREALS
3	14	CS	AS CONCORD 40'W/PACKERS		7.50	CULT, SEED, HARROW & PACK
3	14	CS	AS WILLRICH		5.00	RAPESEED

CROP SEEDING 1987

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	23	CS	AS CONCORD		12.00	W/DEEP BANDING FERT
3	29	CS	AS PRASCO		5.50	CEREALS, OILSEEDS OR GRASSES
3	29	CS	TM VALMAR		2.50	RAPESEED
3	29	CS	FW PIPER PAWNEE		3.00	RAPESEED
3	29	CS	FW AYRES TURBO THRUSH		4.00	GRASS OR RAPESEED
3	29	CS	FW AYRES TURBO THRUSH		4.50	CEREALS
3	29	CS	FW PIPER PAWNEE		4.50	CEREALS
4	9	CS	AS JOHN DEERE		5.00	CEREALS
4	19	CS	AS JOHN DEERE		5.00	CEREALS OR OILSEEDS
4	24	CS	FW GRUMMAN AG-CAT		4.00	CEREALS
4	24	CS	FW GRUMMAN AG-CAT		3.50	GRASS OR RAPESEED
4	24	CS	FW GRUMMAN AG-CAT		3.35	OILSEEDS
4	24	CS	FW GRUMMAN AG-CAT		3.60	GRASSES, HAY
4	24	CS	FW GRUMMAN AG-CAT		4.10	CEREALS
4	27	CS	PRESS DRILL IHT 24'		5.00	CEREALS
6	ID22	CS	FW CESSNA AG-TRUCK		2.50	RAPESEED, CLOVER
6	1	CS	AIR DRILL JOHN DEERE		6.00	RAPESEED
6	1	CS	AS FRIGSTAD		6.50	CEREALS